

Weatherford Dam and Weatherford Lake

OWNER

City of Weatherford.

ENGINEER (Design)

Freese and Nichols.
Rady and Associates.

LOCATION

On Clear Fork Trinity River in Parker County, 7 miles east of Weatherford.

DRAINAGE AREA

109 square miles.

DAM

Type	Earthfill
Length	4,055 ft
Maximum height	75 ft
Top width	20 ft
Top elevation	914.0 ft above msl

SPILLWAY (emergency)

Location	Right end of dam
Type	Two-level earth section
Length (1st section)	500 ft
Crest elevation	903.0 ft above msl
Length (2nd section)	500 ft
Crest elevation	906.0 ft above msl

SPILLWAY (service)

Type	Semi-circular drop inlet
Crest length	162 ft
Crest elevation	896.0 ft above msl
Discharge conduit	9 by 9 ft, 425 ft long

LOW FLOW OUTLET

Type	Valve controlled, 18-inch concrete pipe
Invert elevation	857.0 ft above msl
Water diversion	Pumping plant and pipeline

STATE AUTHORIZATION

Permit No. 1771 (Application No. 1880) July 21, 1955, allows storage of 19,470 acre-feet of water and annual diversion of 4,500 acre-feet for municipal use and 1,500 acre-feet for industrial purposes.

RESERVOIR DATA

Capacity	19,470 acre-feet at elevation 896.0 ft above msl
Area	1,210 acres at elevation 896.0 ft above msl

GENERAL

Construction started	June 1956
Dam completed	March 1957
Impoundment of water began	March 1957

